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RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/202,054

DATE: 04/17/2001  
 TIME: 11:25:46

Input Set : A:\P1154R2.txt  
 Output Set: N:\CRF3\04172001\I202054.raw

3 <110> APPLICANT: Goddard, Audrey  
 4 Godowski, Paul J.  
 5 Gurney, Austin L.  
 6 Mark, Melanie R.  
 7 Yang, Ruey-Bing  
 9 <120> TITLE OF INVENTION: HUMAN TOLL HOMOLOGUES  
 11 <130> FILE REFERENCE: P1154R2  
 13 <140> CURRENT APPLICATION NUMBER: US 09/202,054  
 14 <141> CURRENT FILING DATE: 1998-12-07  
 16 <150> PRIOR APPLICATION NUMBER: PCT/US98/21141  
 17 <151> PRIOR FILING DATE: 1998-10-07  
 19 <160> NUMBER OF SEQ ID NOS: 32  
 21 <210> SEQ ID NO: 1  
 22 <211> LENGTH: 1049  
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 24 <213> ORGANISM: Homo sapiens  
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 33 Pro Lys Thr Leu Pro Cys Asp Val Thr Leu Asp Val Pro Lys Asn  
 34 35 40 45  
 36 His Val Ile Val Asp Cys Thr Asp Lys His Leu Thr Glu Ile Pro  
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 39 Gly Gly Ile Pro Thr Asn Thr Thr Asn Leu Thr Leu Thr Ile Asn  
 40 65 70 75  
 42 His Ile Pro Asp Ile Ser Pro Ala Ser Phe His Arg Leu Asp His  
 43 80 85 90  
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 46 95 100 105  
 48 Gly Ser Lys Asn Asn Met Cys Ile Lys Arg Leu Gln Ile Lys Pro  
 49 110 115 120  
 51 Arg Ser Phe Ser Gly Leu Thr Tyr Leu Lys Ser Leu Tyr Leu Asp  
 52 125 130 135  
 54 Gly Asn Gln Leu Leu Glu Ile Pro Gln Gly Leu Pro Pro Ser Leu  
 55 140 145 150  
 57 Gln Leu Leu Ser Leu Glu Ala Asn Asn Ile Phe Ser Ile Arg Lys  
 58 155 160 165  
 60 Glu Asn Leu Thr Glu Leu Ala Asn Ile Glu Ile Leu Tyr Leu Gly  
 61 170 175 180  
 63 Gln Asn Cys Tyr Tyr Arg Asn Pro Cys Tyr Val Ser Tyr Ser Ile  
 64 185 190 195  
 66 Glu Lys Asp Ala Phe Leu Asn Leu Thr Lys Leu Lys Val Leu Ser  
 67 200 205 210  
 69 Leu Lys Asp Asn Asn Val Thr Ala Val Pro Thr Val Leu Pro Ser  
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73					230					235					240
75	Gln	Glu	Asp	Asp	Phe	Asn	Asn	Leu	Asn	Gln	Leu	Gln	Ile	Leu	Asp
76					245					250					255
78	Leu	Ser	Gly	Asn	Cys	Pro	Arg	Cys	Tyr	Asn	Ala	Pro	Phe	Pro	Cys
79					260					265					270
81	Ala	Pro	Cys	Lys	Asn	Asn	Ser	Pro	Leu	Gln	Ile	Pro	Val	Asn	Ala
82					275					280					285
84	Phe	Asp	Ala	Leu	Thr	Glu	Leu	Lys	Val	Leu	Arg	Leu	His	Ser	Asn
85					290					295					300
87	Ser	Leu	Gln	His	Val	Pro	Pro	Arg	Trp	Phe	Lys	Asn	Ile	Asn	Lys
88					305					310					315
90	Leu	Gln	Glu	Leu	Asp	Leu	Ser	Gln	Asn	Phe	Leu	Ala	Lys	Glu	Ile
91					320					325					330
93	Gly	Asp	Ala	Lys	Phe	Leu	His	Phe	Leu	Pro	Ser	Leu	Ile	Gln	Leu
94					335					340					345
96	Asp	Leu	Ser	Phe	Asn	Phe	Glu	Leu	Gln	Val	Tyr	Arg	Ala	Ser	Met
97					350					355					360
99	Asn	Leu	Ser	Gln	Ala	Phe	Ser	Ser	Leu	Lys	Ser	Leu	Lys	Ile	Leu
100					365					370					375
102	Arg	Ile	Arg	Gly	Tyr	Val	Phe	Lys	Glu	Leu	Lys	Ser	Phe	Asn	Leu
103					380					385					390
105	Ser	Pro	Leu	His	Asn	Leu	Gln	Asn	Leu	Glu	Val	Leu	Asp	Leu	Gly
106					395					400					405
108	Thr	Asn	Phe	Ile	Lys	Ile	Ala	Asn	Leu	Ser	Met	Phe	Lys	Gln	Phe
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111	Lys	Arg	Leu	Lys	Val	Ile	Asp	Leu	Ser	Val	Asn	Lys	Ile	Ser	Pro
112					425					430					435
114	Ser	Gly	Asp	Ser	Ser	Glu	Val	Gly	Phe	Cys	Ser	Asn	Ala	Arg	Thr
115					440					445					450
117	Ser	Val	Glu	Ser	Tyr	Glu	Pro	Gln	Val	Leu	Glu	Gln	Leu	His	Tyr
118					455					460					465
120	Phe	Arg	Tyr	Asp	Lys	Tyr	Ala	Arg	Ser	Cys	Arg	Phe	Lys	Asn	Lys
121					470					475					480
123	Glu	Ala	Ser	Phe	Met	Ser	Val	Asn	Glu	Ser	Cys	Tyr	Lys	Tyr	Gly
124					485					490					495
126	Gln	Thr	Leu	Asp	Leu	Ser	Lys	Asn	Ser	Ile	Phe	Phe	Val	Lys	Ser
127					500					505					510
129	Ser	Asp	Phe	Gln	His	Leu	Ser	Phe	Leu	Lys	Cys	Leu	Asn	Leu	Ser
130					515					520					525
132	Gly	Asn	Leu	Ile	Ser	Gln	Thr	Leu	Asn	Gly	Ser	Glu	Phe	Gln	Pro
133					530					535					540
135	Leu	Ala	Glu	Leu	Arg	Tyr	Leu	Asp	Phe	Ser	Asn	Asn	Arg	Leu	Asp
136					545					550					555
138	Leu	Leu	His	Ser	Thr	Ala	Phe	Glu	Glu	Leu	His	Lys	Leu	Glu	Val
139					560					565					570
141	Leu	Asp	Ile	Ser	Ser	Asn	Ser	His	Tyr	Phe	Gln	Ser	Glu	Gly	Ile
142					575					580					585
144	Thr	His	Met	Leu	Asn	Phe	Thr	Lys	Asn	Leu	Lys	Val	Leu	Gln	Lys

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150	Met	Glu	Ser	Glu	Ser	Leu	Arg	Thr	Leu	Glu	Phe	Arg	Gly	Asn	His
151				620					625						630
153	Leu	Asp	Val	Leu	Trp	Arg	Glu	Gly	Asp	Asn	Arg	Tyr	Leu	Gln	Leu
154				635					640						645
156	Phe	Lys	Asn	Leu	Leu	Lys	Leu	Glu	Glu	Leu	Asp	Ile	Ser	Lys	Asn
157				650					655						660
159	Ser	Leu	Ser	Phe	Leu	Pro	Ser	Gly	Val	Phe	Asp	Gly	Met	Pro	Pro
160				665					670						675
162	Asn	Leu	Lys	Asn	Leu	Ser	Leu	Ala	Lys	Asn	Gly	Leu	Lys	Ser	Phe
163				680					685						690
165	Ser	Trp	Lys	Lys	Leu	Gln	Cys	Leu	Lys	Asn	Leu	Glu	Thr	Leu	Asp
166				695					700						705
168	Leu	Ser	His	Asn	Gln	Leu	Thr	Thr	Val	Pro	Glu	Arg	Leu	Ser	Asn
169				710					715						720
171	Cys	Ser	Arg	Ser	Leu	Lys	Asn	Leu	Ile	Leu	Lys	Asn	Asn	Gln	Ile
172				725					730						735
174	Arg	Ser	Leu	Thr	Lys	Tyr	Phe	Leu	Gln	Asp	Ala	Phe	Gln	Leu	Arg
175				740					745						750
177	Tyr	Leu	Asp	Leu	Ser	Ser	Asn	Lys	Ile	Gln	Met	Ile	Gln	Lys	Thr
178				755					760						765
180	Ser	Phe	Pro	Glu	Asn	Val	Leu	Asn	Asn	Leu	Lys	Met	Leu	Leu	Leu
181				770					775						780
183	His	His	Asn	Arg	Phe	Leu	Cys	Thr	Cys	Asp	Ala	Val	Trp	Phe	Val
184				785					790						795
186	Trp	Trp	Val	Asn	His	Thr	Glu	Val	Thr	Ile	Pro	Tyr	Leu	Ala	Thr
187				800					805						810
189	Asp	Val	Thr	Cys	Val	Gly	Pro	Gly	Ala	His	Lys	Gly	Gln	Ser	Val
190				815					820						825
192	Ile	Ser	Leu	Asp	Leu	Tyr	Thr	Cys	Glu	Leu	Asp	Leu	Thr	Asn	Leu
193				830					835						840
195	Ile	Leu	Phe	Ser	Leu	Ser	Ile	Ser	Val	Ser	Leu	Phe	Leu	Met	Val
196				845					850						855
198	Met	Met	Thr	Ala	Ser	His	Leu	Tyr	Phe	Trp	Asp	Val	Trp	Tyr	Ile
199				860					865						870
201	Tyr	His	Phe	Cys	Lys	Ala	Lys	Ile	Lys	Gly	Tyr	Gln	Arg	Leu	Ile
202				875					880						885
204	Ser	Pro	Asp	Cys	Cys	Tyr	Asp	Ala	Phe	Ile	Val	Tyr	Asp	Thr	Lys
205				890					895						900
207	Asp	Pro	Ala	Val	Thr	Glu	Trp	Val	Leu	Ala	Glu	Leu	Val	Ala	Lys
208				905					910						915
210	Leu	Glu	Asp	Pro	Arg	Glu	Lys	His	Phe	Asn	Leu	Cys	Leu	Glu	Glu
211				920					925						930
213	Arg	Asp	Trp	Leu	Pro	Gly	Gln	Pro	Val	Leu	Glu	Asn	Leu	Ser	Gln
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216	Ser	Ile	Gln	Leu	Ser	Lys	Lys	Thr	Val	Phe	Val	Met	Thr	Asp	Lys
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219 Tyr Ala Lys Thr Glu Asn Phe Lys Ile Ala Phe Tyr Leu Ser His
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223          980          985          990
225 Leu Glu Lys Pro Phe Gln Lys Ser Lys Phe Leu Gln Leu Arg Lys
226          995          1000          1005
228 Arg Leu Cys Gly Ser Ser Val Leu Glu Trp Pro Thr Asn Pro Gln
229          1010          1015          1020
231 Ala His Pro Tyr Phe Trp Gln Cys Leu Lys Asn Ala Leu Ala Thr
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317 aaactttacc aagaacctaa aggttctgca gaaactgatg atgaacgaca 1900
319 atgacatctc ttctccacc agcaggacca tggagagtga gtctcttaga 1950
321 actctggaat tcagaggaaa tcacttagat gttttatgga gagaagggtga 2000
323 taacagatac ttacaattat tcaagaatct gctaaaatta gaggaattag 2050
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335 gaagtatttt ctacaagatg ccttcagtt gcgatatctg gatctcagct 2350
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369 ccatacttct ggcagtgtct aaagaacgcc ctggccacag acaatcatgt 3200
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377 <212> TYPE: PRT
378 <213> ORGANISM: Homo sapiens
380 <400> SEQUENCE: 3
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385 20 25 30
387 Ser Arg Ser Tyr Pro Cys Asp Glu Lys Lys Gln Asn Asp Ser Val
388 35 40 45
390 Ile Ala Glu Cys Ser Asn Arg Arg Leu Gln Glu Val Pro Gln Thr
391 50 55 60
393 Val Gly Lys Tyr Val Thr Glu Leu Asp Leu Ser Asp Asn Phe Ile
394 65 70 75

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